

THAT WHICH IS CLAIMED IS:

1. A method of treating hemophilia in a mammal, comprising:

5 a) providing recombinant adeno-associated virus virions comprising a nucleotide sequence encoding Factor VIII operably linked to expression control elements; and

b) administering said recombinant adeno-associated virus virions to a mammal under conditions that result in the expression of Factor VIII protein at a level that provides a therapeutic effect in said mammal.

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